



## Saluran Terbuka Universiti Malaya (SATU)

### University of Malaya's Open Channel

Special channel for admission of students into  
UM's Bachelor Degree Programmes

# BACHELOR OF COMPUTER SCIENCE (Software Engineering)

### COURSE STRUCTURE

A total of 128 credits are required to complete the Bachelor of Computer Science (Software Engineering) programme as follows;

Courses	Credit
a. University Course	20
b. Faculty Core Courses	17
c. Faculty Elective Courses	6
d. Programme Core Courses	55
- Industrial Training : 12 credits	
- Specialization Elective Courses : 30 credits	
<b>Total</b>	<b>128</b>

(Note : Not all courses will be offered every semester; the actual courses offered will depend on the availability of staff and the number of students registering).

### FEES

RM57,240

(Payment of fees is based on semester subject to the prescribed amount.)

This programme offers a comprehensive look into the world of software engineering by providing the students with not only the theoretical and technical knowledge but the skills needed in various other related aspects of software engineering. The programme emphasizes a strong underlying of Software Engineering principles and concepts through object-oriented modelling, software design and architecture, human-computer interaction and software quality.

### CAREER OPPORTUNITY

Graduates of this programme may choose to be one (but not limited to) of the following:

- System Analyst
- Software Engineer
- Software Tester
- Software Architect
- Programmer
- Project Manager
- Academician
- Researcher

### INTAKE SCHEDULE

The academic programme follows the semester system and commences in September (for Semester 1) and February (for Semester 2). The minimum period of study is 7 semesters and the maximum period of study is 11 semesters.

## Entry Requirement

A Malaysian candidate who wishes to pursue a programme of study at the University of Malaya must fulfil the University's entry requirements as follows:

(A)	Passed the Sijil Pelajaran Malaysia (SPM) with a credit ( <b>Grade C</b> ) in Bahasa Melayu/Bahasa Malaysia subject or a credit ( <b>Grade C</b> ) in Bahasa Melayu/Bahasa Malaysia July paper and <b>pass</b> in History; <b>and</b>
(B)	Achieve a minimum Band in the Malaysian University English Test (MUET) as required in special requirements of the programme. <b>and</b>
(C)	Fulfilled any of the programme Special Entry Requirements as listed below.

### STPM (Current Year) - Science Stream

- Passed the STPM with at least CGPA 3.00; **and**
- Obtained at least Grade B at the STPM level in the following subjects:
  - Mathematics (T);
  - Physics; and
  - Chemistry/ Biology/ Information and Communications Technology (ICT)
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

### MATRICULATION/ FOUNDATION - Science Stream

- Passed the Matriculation / Foundation with at least CGPA 3.00; **and**
- Obtained at least Grade B at the Matriculation/Foundation level in the following subjects:
  - Mathematics;
  - Physics; and
  - Engineering Physics/ Chemistry/ Engineering Chemistry / Biology / Computer Science / Computing
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

### DIPLOMA/EQUIVALENT - Science Stream

#### REQUIREMENT 1

- Possess a Diploma in Computer Science or Diploma in Information Technology from Public University / other institutions in related fields recognized by the Government of Malaysia and approved by the University's Senate with at least CGPA 3.00; **and**
- Obtained at least Grade B at the Diploma level in Mathematics; **and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

OR

#### REQUIREMENT 2

- Passed STPM not in current year with at least CGPA 3.00; **and**
- Obtained at least Grade B at the STPM level in the following subjects:
  - Mathematics (T);
  - Physics; and
  - Chemistry/ Biology/ Information and Communications Technology (ICT)
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

OR

#### REQUIREMENT 3

- Passed the Matriculation / Foundation not in current year with at least CGPA 3.00; **and**
- Obtained at least Grade B at the Matriculation/Foundation level in the following subjects:
  - Mathematics;
  - Physics; and
  - Engineering Physics/ Chemistry/ Engineering Chemistry / Biology / Computer Science / Computing
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

### OTHER REQUIREMENTS

#### REQUIREMENT 1

- Passed the GCE A-Level with at least Grade A in Mathematics; **and**
- Obtained at least Grade B in one (1) of the following subjects:
  - Computing;
  - Physics;
  - Further Mathematics;
  - Chemistry;
  - Biology;
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- Obtained at least Band 2 in MUET

However, applicants who do not have MUET but have the following results may be considered for conditional offer by fulfilling the MUET requirements within the duration of one (1) academic session:

- Obtained at least Band 4 in IELTS (Academic);
- or**
- Obtained score of at least 437 points (PBT)/123 points (CBT)/ 41 points (IBT) in TOEFL;

NOTE: Candidates may apply using Advanced Subsidiary (AS) examination results. A-Level examination results should be submitted later once it has been obtained.

OR

#### REQUIREMENT 2

- Possess the International Baccalaureate Diploma (IB) with a minimum score of 30 points and minimum grade 5 (Higher Level) in Mathematics;
- and**
- in one (1) of the following subjects:
  - Physics
  - Chemistry
  - Computer Science;
  - Biology;
- and**
- Obtained at least Grade B at the SPM level in the following subjects:
  - Additional Mathematics; and
  - Mathematics/Physics
- and**
- Obtained at least Band 2 in MUET

However, applicants who do not have MUET but have the following results may be considered for conditional offer by fulfilling the MUET requirements within the duration of one (1) academic session:

- Obtained at least Band 4 in IELTS (Academic);
- or**
- Obtained score of at least 437 points (PBT)/123 points (CBT)/ 41 points (IBT) in TOEFL;

OR

#### REQUIREMENT 2

- Possess the Australian Matriculation programme (AUSMAT) with a minimum Australian Tertiary Admission Rank (ATAR) rank of 80 percent (%) and a minimum score of 16 points (High Achievement) in Mathematics;
- and**
- Obtained 16 points score (High Achievement) in any one (1) of the following subjects:
  - Chemistry;
  - Physics;
  - Mathematics Specialist
- and**
- Obtained at least Band 2 in MUET

However, applicants who do not have MUET but have the following results may be considered for conditional offer by fulfilling the MUET requirements within the duration of one (1) academic session:

- Obtained at least Band 4 in IELTS (Academic);
- or**
- Obtained score of at least 437 points (PBT)/123 points (CBT)/ 41 points (IBT) in TOEFL;

### Further information:

UNIVERSITY OF MALAYA CENTRE FOR CONTINUING EDUCATION  
Level 9, Wisma R&D University of Malaya,  
Jalan Pantai Baharu, 59990 Kuala Lumpur  
Tel : 03-2246 3600 Fax : 03-2246 3613  
Email: umcced@um.edu.my

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY  
Tel : 03-7967 6428 (Pn.Nur Hafiezah)  
Email : hafiezah@um.edu.my